Index to Volume 3

Acceleration
  effects, 204
  and renal vessel pressures, 399
Adrenal cortical hormones and eosinophil levels, 164
Adrenaline (*see also* Epinephrine) and respiratory tract, 513
Adrenergic blocking agents and sweat glands, 573
Adrenocorticotrophic hormone
  and blood glutathione levels, 411
  and synovial fluid, 84
Alactic debt and oxygen consumption, 427
Albumin and renal hemodynamics, 472
Altitude
  alveolar air, 526
  and cardiac output, 229
  explosive decompression, 254
  and physiological effects, 204
Altschule, M. D., 411
Alveolar air at high altitude, 526
Alveolar-arterial oxygen difference, 519
Ames, S. W., S. Rosenfeld and C. F. Lombard. Direct measurement of renal vessel pressures under stress of acceleration, 399
Amines, sympathetic, electrocardiographic effects, 235
Anastomosis, left phreno-phrenic, 161
Anesthesia, epidural procaine, 388
Anoxia
  and explosive decompression, 254
  resuscitation requirements, 479
  and retina, 489
Antihistaminics and hypoxia, 29
Antipyrine and body fat, 681
Arms, capillary circulation, 113
Artificial heart-lung apparatus, 642
Artificial respiration, 95
Askovitz, S. I., 665
Asmussen, E. and M. Nielsen. Efficacy of artificial respiration, 95
Asphyxia and curare poisoning, 535
Asthma
  and adrenaline, 513
  and isopropylarterenol, 235
Athletic conditioning, 103
Athletic performance (*see* Work performance)
Auricular flutter in direct leads, 183

Bader, M. E. and J. Mead. Effect of local cooling on finger blood flow in individuals exposed to warm ambient temperature, 508
Ballistocardiogram and cardiac output, 229
Bateman, J. B.
  Studies of lung capacities and intrapulmonary mixing: normal lung capacities, 133
  Studies of lung volume and intrapulmonary mixing. Nitrogen clearance curves: apparent respiratory dead space and its significance, 143
Beecher, H. K., 35, 388
Behnke, A. R., 676
Behnke, A. R. and C. P. Yaglou. Physiological responses of men to chilling in ice water and to slow and fast rewarming, 591
Berg, W. E., 103
Bing, R. J., 12
Bishop, G. H., 714
Bitter, H. L., 681
Bladder, urinary, electro-potential changes, 631
Blood
  albumin and renal hemodynamics, 472
  arterial and exercise, 282
  arterial and high altitude, 526
  artificial heart-lung apparatus, 642
  auricular T wave, 235
  capillary circulation, 113
  carbon dioxide content of mixed venous, 216
  cholesterol values, 197
  and epinephrine, 554
  glutathione levels and shock therapies, 411
  measurement of dye concentration, 12
  Oxygen diffusion, 519
  platelet count, 365
  pteroylglutamic acid, 559
  renal flow and exercise, 291
  renal plasma flow, 63
  serum potassium and muscle ischemia, 91
  ventricular fibrillation and drowning, 417
Blood flow
  and drugs, 465
  in finger and cooling, 508
Blood pressure, changes in renal under acceleration, 399
Blood volume and body type, 329

Body build and specific gravity, 676
Body fat
and antipyrine, 681
and specific gravity, 676
Body surface
and equipotential distribution, 454
impedance, 582
and metabolism, 21
Body temperature
diurnal variations, 665
and performance, 309
Body type and blood volume and cardiac output, 329
Body water and measurement of body fat, 681
Body weight and metabolism, 21
Bone, femoral shaft, physical properties, 563
Boyce, W. H., 631
Brecher, G. and E. P. Cronkite. Morphology and enumeration of human blood platelets, 365
Bruce, R. A., 282
Brucer, M. and H. G. Swann. Requirements for resuscitation by artificial respiration in fulminating anoxia, 479
Buettner, K.
Effects of extreme heat and cold on human skin. II. Analysis of temperature changes caused by different kinds of heat application, 691
Effects of extreme heat on human skin. II. Surface temperature, pain and heat conductivity in experiments with radiant heat, 703
Burkhardt, W. L., B. R. Eastman and H. B. Hale. Influence of antihistaminics on respiratory response to hypoxia, 29

Capillary circulation, 113
Carbon dioxide
and denitrogenation, 295
and fusion frequency of flicker, 637
tensions, 216
Cardiac cycle and equipotential distribution, 454
Cardiac output (*see also* Heart)
area and height formulae, 229
and body type, 329
and Evans blue dye, 12
and exercise, 439
oximetric determinations, 649
Cardiac physiology and electrocardiography, 1
Cardiovascular disease and fusion frequency of flicker, 637
Carlin, M. R., C. B. Mueller and H. L. White. Effects of exercise on renal blood flow and sodium excretion in dogs, 291
Cerebral circulation and drugs, 465
Chernoff, H. M., 454
Chilling, responses to, 591
Cholesterol values and their correlation, 197
Curchophen ulcer and glucuronic acid, 736
Cinefluorographic study, deglutition, 622
Circulatory dynamics and exercise, 439
Cisler, Lillian E., 197
Clare, Margaret H., W. H. Mills and G. H. Bishop. Reflex factors in clonus and tremor, 714
Clonus, reflex factors, 714
Cold
physiological responses, 591
thresholds and environmental temperature, 173
Corey, E. L., W. H. Boyce, S. A. Vest and C. R. French. Electro-potential changes in human urinary bladder: a method of measurement, 631
Cronkite, E. P., 365
Curare poisoning and resuscitation, 535

Decompression and denitrogenation, 295
Decompression explosive, 254
Deglutition, a cinefluorographic study, 622
Denitrogenation and carbon dioxide, 295
Denko, C. W. Pteroylglutamic acid clearance in normal adults, 559
Desoxycorticosterone acetate and eosinophil levels, 164
Dexter, L., J. L. Whittenberger, F. W. Haynes, W. T. Goodale, R. Gorlin and C. G. Sawyer. Effect of exercise on circulatory dynamics of normal individuals, 439
Diaphragm and phrenic nerve, 161
Diet
pteroylglutamic acid, 559
test foods and mastication, 45
Diuresis, saline and prehydration, 379
Diurnal variations
in body temperature, 665
in performance, 309
Drinker, C. K., 204
Drowning, resuscitation from, 417
Drugs
antipyrine and body fat, 681
arterenol, 235
and blood glutathione levels, 411
and cerebral circulation, 465
epinephrine and blood coagulation, 554
and hypoxia, 29

isopropylarterenol, 235
and measurement of pain, 35
Priscoline and adrenaline, 400
and renal plasma flow, 63
and respiration, 513
and sweat glands, 573
sympathetic and renal vasoconstriction, 77
DUPERTIUS, C. W., G. C. PITTS, E. F. OSSERMAN, W. C. WELHAM AND A. R. BEHNKE. Relation of specific gravity to body build in a group of healthy men, 676
Dura mater permeability and epidural procaine, 388
Dye, Evans blue and cardiac output, 12

EASTMAN, B. R., 29
EBAUGH, F. G., JR. Influence of various environmental temperatures on the cold and warmth thresholds, 173
ELAM, J. O., 649
ELAM, W. N., 649
Electrocardiogram
auricular flutter, 183
polarity patterns, 243
Electrocardiographic effects of sympathetic amines, 235
Electrocardiographic theory and potential distribution on body surface, 454
Electrocardiography and cardiac physiology, 1
Electro-potential changes in urinary bladder, 631
Emphysema and oxygen levels, 189
Environment
and blood flow, 508
and cold and warmth thresholds, 173
heat transfer, 342
and metabolism, 21
physiological responses to chilling and rewarming, 591
and platelet count, 365
temperature changes, 691
temperature changes and pain, 703
Eosinophil levels, 164
Epinephrine (*see also* Adrenaline)
and blood coagulation, 554
and blood glutathione levels, 411
and renal clearance, 610
and renal plasma flow, 63
and sweat glands, 573
Equilibration, spontaneous, 216
Evans blue dye and cardiac output, 12
EVANS, G. F. AND M. LEBOW. Regional differences in some of the physical properties of the human femur, 563
Exercise (*see also* Work performance)
and alactic debt, 427
and cardiac output, 649
changes in athletic conditioning, 103
and circulatory dynamics, 439
and heat transfer, 342
and hypnosis, 404
and renal blood flow, 291
and respiratory gases, 282
and sodium excretion, 291
and tobacco smoking, 616
and tremor, 732
and uric acid excretion, 501
asphyxial block in retina, 489

FAINER, D. C., C. G. MARTIN AND A. C. IVY. Resuscitation of dogs from fresh water drowning, 417
Fat and surface law, 21
Fatigue tests and hypnosis, 404
Femur, physical properties, 563
FERRIS, B. G., JR., HARRIET A. KRIETE AND B. C. KRIETE. Alveolar-arterial oxygen difference—a comparison of two methods, 519
Finger blood flow and effect of cooling, 508
FISCH, S., S. B. GILSON AND R. E. TAYLOR. Capillary circulation in human arms studied by venous congestion. A cutaneo-muscular vasomotor reflex, 113
Flight and physiological effects, 204
FOLEY, E. F., 235
Food and mastication, 45
FORSSANDER, C. A. Spontaneous equilibration of inspired CO_2 with mixed venous blood: some theoretical considerations, 216
FRANKE, E. K. Mechanical impedance of the surface of the human body, 582
FREMONT-SMITH, K., 388
FRENCH, C. R., 631
FRIEDLICH, A., R. HEIMBECKER AND R. J. BING. A device for continuous recording of concentration of Evans blue dye in whole blood and its application to determination of cardiac output, 12
Fusion frequency of flicker and carbon dioxide and oxygen, 637
FUTCHER, P. H., 63

GALDSTON, M. AND J. M. STEELE. Critique of area and height formulae for estimating cardiac output from the ballistocardiogram, 229
GALVÃO, P. E. Human heat production in relation to body weight and body surface. III.

Inapplicability of surface law on fat men of the Tropical Zone. IV. General interpretation of climatic influence on metabolism, 21
Gas flow resistance in respiratory tract and adrenaline, 513
Gas tensions and exercise, 282
GELFAN, S. Explosive decompression of Macaque monkeys to extreme altitudes and recompression at free-fall rates, 254
GILSON, S. B., 113
GIMBEL, N., 472
Glomerular filtration rate and epinephrine, 610
Glucuronic acid and cinchophen ulcer, 736
GOODALE, W. T., 439
GORLIN, R., 439
Gravity and body build, 676
GREGERSEN, M. I. AND J. L. NICKERSON. Relation of blood volume and cardiac output to body type, 329
GROEDEL, F. M. AND M. MILLER. Auricular flutter studied in direct leads from the human heart, 183
GROSSMAN, M. I., 235, 573
GUNNAR, R. M., 235

HALE, C. J., 616
HALE, H. B., 29
HANDFORD, S. W. AND N. V. RICCHIUTI. Positive and alternating positive-negative pressure resuscitation from curare poisoning, 535
HANKINS, O. G., 681
HARRIS, J. S., 77
HAYNES, F. W., 439
Heart (*see also* Cardiac output)
  arterial pressure during flight, 204
  auricular flutter, 183
  and polarity patterns for chest leads, 243
  resuscitation from curare poisoning, 535
Heart-lung apparatus, 642
Heat
  and human skin, 691, 703
  transfer, 342
Height formula and cardiac output, 229
HEIMBECKER, R., 12
HENDRON, J. A., 622
HENNEMAN, DOROTHY HUGHES AND M. D. ALTSCHULE. Immediate effects of shock therapies, epinephrine and ACTH on blood glutathione level of psychotic patients, 411
HENRY, F. M. Aerobic oxygen consumption and alactic debt in muscular work, 427
HENRY, F. M. AND W. E. BERG. Physiological and performance changes in athletic conditioning, 103
HEPLER, OPAL E., 197
HIATT, E. P., 501
HIRSCHMANN, J. H., 235
HORVATH, S. M., 665
HOUSTON, C. S., 526
HUTT, B. K., 665
Hydration and saline diuresis, 379
Hypertension
  and renal circulation, 77
  and renal clearance, 610
Hypnosis and strength and endurance, 404
Hypoxia and antihistaminics, 29

IMIG, C. J., 732
Impedance of body surface, 582
ISAACS, J. H., 235
Ischemia of muscle and serum potassium, 91
IVY, A. C., 417, 736

JACKSON, D. P., 309
JANNEY, C. D., 732
JANOWITZ, H. D., 573
JEFFERSON, N. C., C. W. PHILLIPS AND H. NECHELES. Left phreno-phrenic anastomosis, 161
JONGBLOED, J. Observations on dogs with mechanically sustained circulation and respiration, 642
JOSEPH, N. R., 84
JUNG, F. T., 197

KARPOVICH, P. V. AND C. J. HALE. Tobacco smoking and physical performance, 616
KEATS, A. S., H. K. BEECHER AND F. C. MOSTELLER. Measurement of pathological pain in distinction to experimental pain, 35
Kidney (*see* headings under Renal)
KIM, K. S., 736
KINCAID, R. K., 55
KINNEY, VELMA MILLER, 197
KLEITMAN, N. AND D. P. JACKSON. Body temperature and performance under different routines, 309
KOBRIN, H., 573
KOTTKE, F. J., 610
KOZA, D. W., F. J. KOTTKE AND MILDRED OLSON. Effects of epinephrine on the normal, hypertensive and denervated renal vascular systems in man, 610
KRAYBILL, H. F., O. G. HANKINS AND H. L. BITTER. Body composition of cattle. I. Estimation of body fat from measurement *in vivo* of body water by use of antipyrine, 681

KRIETE, B. C., 519
KRIETE, HARRIET A., 519

LADD, M.
Effect of prehydration upon renal excretion of sodium in man, 603
Effect of prehydration on the response to saline infusion in man, 379
LEBOW, M., 563
LEWIS, R. A., 164
Lipid extracts and eosinophil levels, 164
LITTMAN, A., M. I. GROSSMAN, R. M. GUNNAR, J. H. ISAACS, J. H. HIRSCHMANN AND E. F. FOLEY. Electrocardiographic effects of arterenol and isopropylarterenol in man, with a note on the auricular T wave, 235
Liver and cinchophen, 736
LOMBARD, C. F., 399
LOVEJOY, F. W., JR., 282
Lungs (*see also* Pulmonary)
arterial-alveolar oxygen difference, 519
artificial respiration, 95
capacities, 133
oxygen levels, 189
resuscitation, 535
ventilation and resuscitation, 479
volume, 143

MACDONALD, D. K. C. AND C. H. WYNDHAM. Heat transfer in man, 342
MAGEE, D. F., K. S. KIM AND A. C. IVY. Glucuronic acid and cinchophen ulcer, 736
MANLY, R. S., 45
MARGARIA, R. AND J. SENDROY, JR. Effect of carbon dioxide on rate of denitrogenation in human subjects, 295
MARTIN, C. G., 417
Mastication and test foods, 45
MAURO, A., 454
MCDOWELL, M. E., 282
MEAD, J., 508
MELLETTE, H. C., B. K. HUTT, S. I. ASKOVITZ AND S. M. HORVATH. Diurnal variations in body temperatures, 665
Metabolism
basal rates, 197
and body surface, 21
and drugs, 465
and physical fitness, 103
MICHIE, A. J., N. GIMBEL, CECILIA RIEGEL AND M. RAGNI. Opening of intrarenal arteriovenous shunts without cortical ischemia by sudden administration of salt-poor concentrated human serum albumin, 472
MILLER, A. T., JR., 501
MILLER, M., 183
MILLS, W. H., 714
Mitral stenosis, 183
MONTGOMERY, M. M., 84
Morphine and measurement of pain, 35
MOSTELLER, F. C., 35
MOTLEY, H. L. AND J. F. TOMASHEFSKI. Effect of high and low oxygen levels and intermittent positive pressure breathing on oxygen transport in the lungs in pulmonary fibrosis and emphysema, 189
MUELLER, C. B., 291
Muscular contraction in tremor, 714
Muscular work and oxygen consumption, 427
Muscle ischemia and serum potassium, 91

NAHUM, L. H., A. MAURO, H. M. CHERNOFF AND R. S. SIKAND. Instantaneous equipotential distribution on surface of the human body for various instants in the cardiac cycle, 454
NECHELES, H., 161
Nerve potentials and anoxia, 489
NICHOLS, J., A. T. MILLER, JR. AND E. P. HIATT. Influence of muscular exercise on uric acid excretion in man, 501
NICKERSON, J. L., 329
NIELSEN, M., 95
Nitrogen clearance curves, 143
Nitrogen in lungs, 133
Nitrogen and respiration, 295
NOELL, W. K. Site of asphyxial block in mammalian retinae, 489
Nor-epinephrine and blood coagulation, 554

OLSON, MILDRED, 610
OSSERMAN, E. F., 676
OTIS, A. B., 513
Oximetric determinations of cardiac output, 649
Oxygen consumption
and alactic debt, 427
and cardiac output, 649
and circulatory dynamics, 439
and drugs, 465
and resuscitation requirements, 479
Oxygen and fusion frequency of flicker, 637
Oxygen levels in lungs, 189

PAIN
effects on human skin, 703
measurement of, 35
Para-aminobenzoic acid and glucuronic acid, 736

Para-aminohippurate, arteriovenous extraction ratios and albumin, 472
PEELER, ANNIE LAURIE, OPAL E. HEPLER, VELMA MILLER KINNEY, LILLIAN E. CISLER AND F. T. JUNG. Normal values for serum cholesterol and basal metabolic rates and their correlation in normal man, 197
Pharynx in deglutition, 622
PHILLIPS, C. W., 161
Phreno-phrenic anastomosis, 161
Physical fitness, athletic conditioning, 103
Physical performance (*see* Exercise)
Physical properties of femur, 563
Physiological responses to chilling and rewarming, 591
PITTS, G. C., 676
Platelet morphology, 365
Polarity patterns
  for chest leads, 243
  in unipolar leads, 1
POPPEN, J. R. AND C. K. DRINKER. Physiological effects and possible methods of reducing the symptoms produced by rapid changes in the speed and direction of airplanes as measured in actual flight, 304
Potassium, serum and muscle ischemia, 91
Potential distribution on surface of body, 454
Prehydration and sodium excretion, 603
Priscoline and renal vasoconstriction, 77
Pteroylglutamic acid clearance, 559
Pulmonary (*see also* Lungs)
Pulmonary fibrosis and oxygen levels in lungs, 189
Pulmonary, intramixing, 133
Pulmonary pressure and exercise, 439
Pulmonary ventilation
  and high altitude, 526
  nitrogen clearance curves, 143

RAGNI, M., 472
REED, C. I., 84
Reflex factors in tremor, 714
Renal blood flow and exercise, 291
Renal clearance
  and epinephrine, 610
  uric acid and exercise, 501
Renal excretion of sodium and prehydration, 603
Renal extraction and urinary excretion, 63
Renal function and saline diuresis, 379
Renal hemodynamics and albumin, 472
Renal vasoconstriction and Priscoline, 77
Renal vessel pressures and acceleration, 399
Respiration
  and adrenaline, 513
  alveolar-arterial oxygen difference, 519
  and antihistaminics, 29
  artificial, 95
  artificial heart-lung apparatus, 642
  artificial and resuscitation, 479
  carbon dioxide tensions, 216
  and denitrogenation, 295
  diaphragm and phrenic nerve, 161
  and drowning, 417
  gas tensions and exercise, 282
  lung capacities, 133
  nitrogen clearance curves, 143
  oxygen levels in lungs, 189
  resuscitation from curare poisoning, 535
  and urinary bladder changes, 631
Resuscitation and curare poisoning, 535
  from drowning, 417
  requirements, 479
Retinal asphyxia, 489
REUBI, CLAUDINE, 63
REUBI, F. C., H. A. SCHROEDER, P. H. FUTCHER AND CLAUDINE REUBI. A discrepancy between renal extraction and urinary excretion of various substances (para-aminohippurate, mannitol, creatinine, thiosulphate) in man, 63
Rewarming, responses to, 591
REWELL, R. E. Relationship between ischemia of muscles and serum potassium, 91
RHAMY, R. K., 55
Rheumatoid arthritis and adrenocorticotrophic hormone, 84
RICCHIUTI, N. V., 535
RIEGEL, CECILIA, 472
RILEY, R. L. AND C. S. HOUSTON. Composition of alveolar air and volume of pulmonary ventilation during long exposure to high altitude, 526
ROBB, JANE SANDS
  Electrocardiography and cardiac physiology, 1
  Polarity patterns for chest leads, 243
ROBINSON, S., R. K. KINCAID AND R. K. RHAMY. Effect of salt deficiency on the salt concentration in sweat, 55
ROSEMBERG, EUGENIA AND R. A. LEWIS. Reduction in eosinophil level of adrenalectomized mice following injection of adrenocorticotropin, 11-dehydro-17-hydroxycorticosterone and lipid extracts of human urine, 164
ROSENFELD, S., 399
ROUSH, ELSIE SHAW. Strength and endurance in the waking and hypnotic states, 404

RUDIN, D. O., K. FREMONT-SMITH AND H. K. BEECHER. Permeability of dura mater to epidural procaine in dogs, 388
RUSHMER, R. F. AND J. A. HENDRON. Act of deglutition: a cinefluorographic study, 622

SALINE infusion and prehydration, 379
Salt concentration of sweat, 55
Salt deficiency and concentration in sweat, 55
SAWYER, C. G., 439
SCHROEDER, H. A., 63
SEALY, W. C., 77
SENDROY, J., JR., 295
SHELDON, M. B., JR. AND A. B. OTIS. Effect of adrenaline on resistance to gas flow in the respiratory tract and on the vital capacity of normal and asthmatic subjects, 513
SHENKIN, H. A. Effects of various drugs upon cerebral circulation and metabolism of man, 465
Shock
  effect of pain, 703
  and exercises, 732
  reflex factors, 714
  therapies and blood glutathione levels, 411
SIKAND, R. S., 454
Silicosis, 189
SIMONSON, E. AND P. WINCHELL. Effect of high carbon dioxide and of low oxygen concentration on fusion frequency of flicker, 637
Skin
  capillary circulation, 113
  synovial fluid potentials, 84
  temperature changes, 691, 703
SLEATOR, W., JR., J. O. ELAM, W. N. ELAM AND H. L. WHITE. Oximetric determination of cardiac output responses to light exercise, 649
Sleep and body temperature, 309, 665
Smoking and physical performance, 616
Smooth muscle and epinephrine, 610
Sodium chloride (*see* Salt)
Sodium excretion
  and exercise, 291
  and prehydration, 603
Somatotype and specific gravity, 676
SONNENSCHEIN, R. R., H. KOBRIN, H. D. JANOWITZ AND M. I. GROSSMAN. Stimulation and inhibition of human sweat glands by intradermal sympathomimetic agents, 573
Spinal cord, permeability of dura to anesthesia, 388
STECK, I. E., M. M. MONTGOMERY, C. I. REED AND N. R. JOSEPH. Influence of adrenocorticotrophic hormone (ACTH) on differences of potential between synovial fluid and skin in rheumatoid arthritis, 84
STEELE, J. M., 229
Strain gauge technique and measurement of tremor, 732
Strength tests and hypnosis, 404
Stress
  explosive decompression, 254
  and fusion frequency of flicker, 637
  and renal vessel pressures, 399
Subarachnoid space and epidural procaine, 388
SUSKIND, M., R. A. BRUCE, M. E. MCDOWELL, P. N. G. YU AND F. W. LOVEJOY, JR. Normal variations in end-tidal air and arterial blood carbon dioxide and oxygen tensions during moderate exercise, 282
Swallowing, a cinefluorographic study, 622
SWANN, H. G., 479
Sweat
  glands, 573
  heat transfer, 342
  salt concentration, 55
Sympathomimetics and sweat glands, 573
Synovial fluid and adrenocorticotrophic hormone, 84

TAYLOR, R. E., 113
Temperature
  of body and performance, 309
  changes of skin, 691
  and cold and warmth thresholds, 173
  diurnal variations in body, 665
  and finger blood flow, 508
  physiological responses to change, 591
  of skin and salt concentration in sweat, 55
Tensile strength of bone, 563
Thermal regulation and blood flow, 508
Thermal response, 342
Thorax, polarity patterns for chest leads, 243
Thresholds and environmental temperatures, 173
Thyroid and serum cholesterol values, 197
Tobacco smoking and physical performance, 616
TOMASHEFSKI, J. F., 189
Tremor
  and exercises, 732
  reflex factors, 714
TUTTLE, W. W., C. D. JANNEY, D. WILKERSON, JR., AND C. J. IMIG. Effect of exercises of graded intensity on neuromuscular tremor as measured by a strain gauge technique, 732

Ulcers and cinchophen, 736
Uric acid excretion and exercise, 501
Urinary bladder, electro-potential changes, 631
Urine
  eosinophil levels, 164
  excretion of pteroylglutamic acid, 559
  excretion and renal extraction, 63

Vasomotor reflex, cutaneo-muscular, 113
Vest, S. A., 631
Vibrations, response of body surface, 582
Vision
  and acceleration, 204
  retinal asphyxia, 489

Waking state and strength and endurance, 404
Waldron, J. M. Clot-accelerating property of *in vitro* epinephrine and nor-epinephrine on whole blood coagulation, 554
Water diuresis and sodium excretion, 603
Welham, W. C., 676
White, H. L., 291, 649
Whittenberger, J. L., 439
Wilkerson, D., Jr., 732
Winchell, P., 637
Work performance (*see also* Exercise)
  and tobacco smoking, 616
  under different routines, 309
Wyndham, C. H., 342

Yaglou, C. P., 591
Young, W. G., Jr., J. S. Harris and W. C. Sealy. Production of neurogenic afferent renal vasoconstriction in humans and dogs by 2-benzyl-4, 5-imidazoline HCl (Priscoline), 77
Yu, P. N. G., 282
Yurkstas, A. and R. S. Manly. Value of different test foods in estimating masticatory ability, 45